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PATENT NO. : 7,043,465 B2

APPLICATION NO.: 09/876,929

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INVENTOR(S) : Patrick Pirim

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

To the first page of the patent, in the Foreign Application Priority Data section, please add the following --

Feb. 24, 2000 (FR) 00 02355 --.

Column 2, lines 44-45, Column 27, line 15, and Column 29, line 33 replace "sizes of the associated frame" with --size of the associated frame--.

After the specification at Column 26, line 43, before the Claims, please add the attached Appendix A.

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

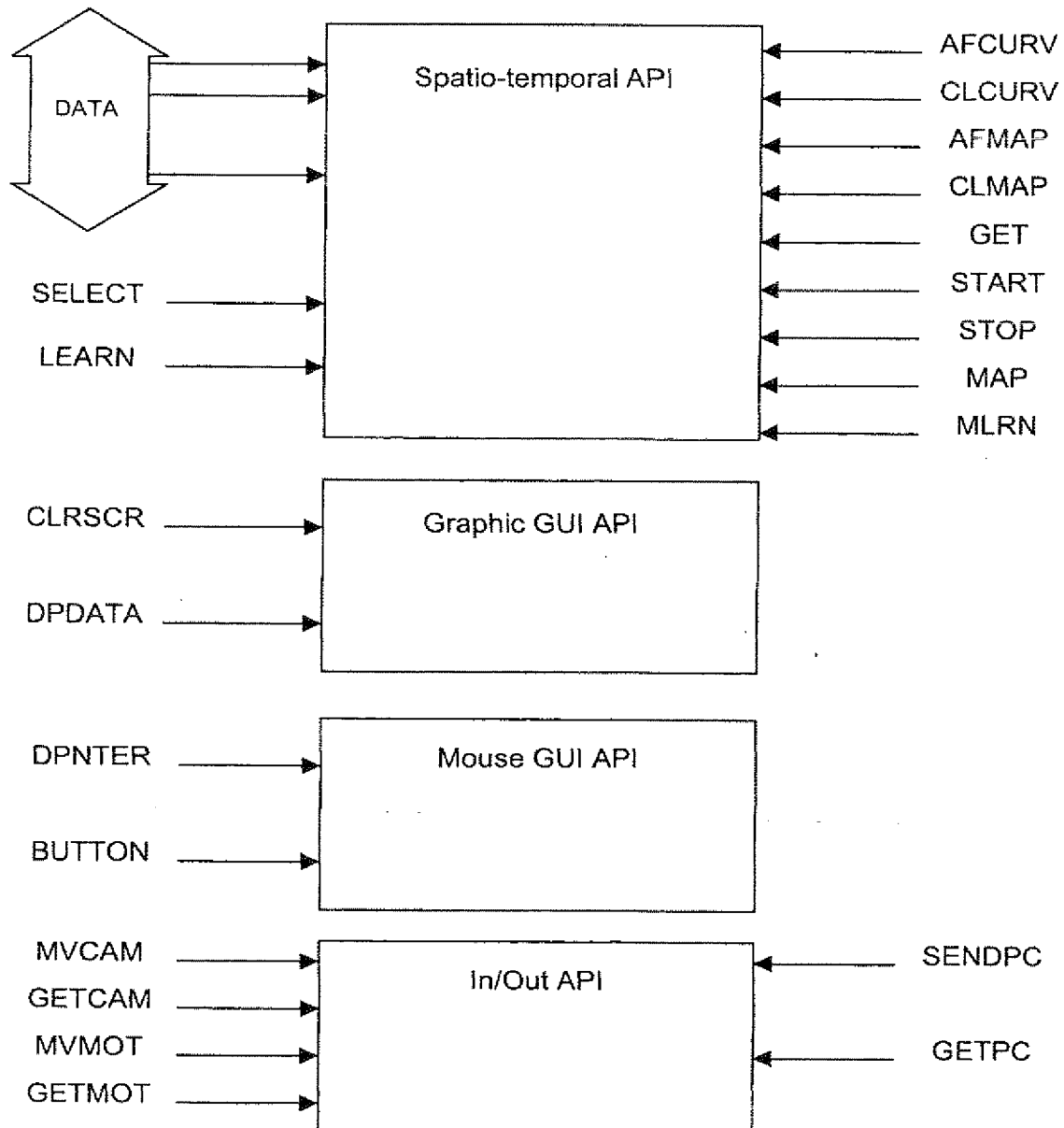
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

APPENDIX A

API Specifications

4 sub division for GVPP :

- Spatio-temporal computation API
- Graphic GUI API
- Mouse GUI API
- Communication and input-output API



Spatio-temporal API Bloc

This group enables all instructions to run the generic spatio-temporal computations and to get the results.

Functions :

START :

Goal: Initialisation of one bloc for the classification.

Parameter : index bloc, MIN value, MAX value.

Prototype :

```
Bloc3 equ 03
MIN equ 10
MAX equ 100
```

START Bloc3 MIN MAX

```
Input - R0 : index bloc
        R1 : MIN value
        R2 : MAX value
```

Output -

STOP :

Goal : end of computation.

Parameter : index bloc.

Prototype :

```
Bloc3 equ 03
```

STOP Bloc3

```
Input - R0 : index bloc
```

Output -

SELECT :

Goal : Progammmation of input parameter bloc (lum, hue, motion, line orientation).

Parameter : Index bloc, type of input parameter.

Prototype :

```
Bloc3 equ 03
LUM equ 00
```

SELECT Bloc3 LUM

```
Input - R0 : Index bloc
        R1 : Input parameter
```

Output-

108090-62692860

GET :

Goal : Get the result computation of one parameter.

Parameter : Index bloc, Load result parameter.

Prototype :

Bloc3 equ 03
MIN equ 00
MAX equ 01
RMAX equ 02
POSRMX equ 03
POSMOY equ 04
NBPTS equ 05
.....

GET Bloc3 NBPTS

Input - R0 : Index bloc
 R1 : Index parameter
Output- R0 : result value of this parameter

LEARN :

Goal : Learn the association-context of a bloc .

Parameter : Index bloc.

Prototype :

Bloc3 equ 03

LEARN Bloc3

Input - R0 : Index bloc
Output-

MAP :

Goal : Put on the time coincidences fonction the result of previous learning.

Parameter : Index bloc,summ of product-terms.

Prototype :

Bloc3 equ 03

MAP Bloc3 0F3 1AB 007

Input - R0 : Index bloc
 R1 : First product terms
 R2 : Second product terms
 R3 : suite

Output-

MLRN :

Goal : Get the result of learning.

Parameter : Index Bloc.

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Prototype :

MLRN			
Input -	R0	:	Index bloc
Output-	R0	:	MIN classification
	R1	:	MAX Classification
	R2	:	First main association (product terms)
	R3	:	Second association
	R4	:suite

AFCURV :

Goal : Histogram curve drowing of one bloc.

Parameter : Index Bloc.

Prototype :

Bloc3 equ 03

AFCURV Bloc3

Input - R0 : Index bloc

Output-

CLCURV :

Goal : Clear curve of one bloc.

Parameter : Index Bloc.

Prototype :

Bloc3 equ 03

CLCURV Bloc3

Input - R0 : Index bloc

Output-

AFMAP :

Goal : Learning Bloc drowing.

Parameter : Index Bloc.

Prototype :

Bloc3 equ 03

AFMAP Bloc3

Input - R0 : Index bloc

Output-

102090-6269/860

CLMAP :

Goal : Clear the learning bloc drowing.
Parameter : Index Bloc.

Prototype :

Bloc3 equ 03
CLMAP Bloc3
Input - R0 : Index bloc
Output-

Graphic GUI API

CLRSCR :

Goal : Clear Screen.
Parameter : No.

Prototype :

CLRSCR
Input -
Output-

DPDATA :

Goal : Display ASCII code on screen.
Parameter : ASCII code, row position, column position.

Prototype :

DPDATA
Input - R0 : ASCII code
R1 : row position
R2 : column position
Output-

Mouse GUI API

DPENTER :

Goal : Mouve and display the pointer.
Parameter : row position, column position.

Prototype :

DPENTER
Input - R0 : row position
R1 : column position
Output-

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BUTTON :

Goal : get the action of button.

Parameter : Button.

Prototype :

BUTTON

Input -

Output- R0 : new position of buttons

API E/S

MVCAM :

Goal : Move the camera.

Parameter : X Position, Y Position, Focus.

Prototype :

MVCAM

Input - R0 : X position

R1 : Y position

R2 : Focus

Output-

GETCAM :

Goal : Get the camera's parameters.

Parameter : No.

Prototype :

GETCAM

Input -

Output- R0 : X position

R1 : Y position

R2 : Focus

MVMOT :

Goal : Action motor.

Parameter : Sens+steps.

Prototype :

MVCAM

Input - R0 : Sens+steps

Output-

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[illegible]

GETMOT

Output- R0 : position

Output-

0.1

Input - R0 : information pointer

Output-

Output-

Input -

Output-